PATENT COOPERATION TREATY

From the RECEIVING OFFICE			PCT
To: Schreiner, Siegfried ROCHE DIAGNOSTICS GMBH Patent Department (TR-E) Postfach 11 52 D-82372 Penzberg ALLEMAGNE	Patent Department F	APPLICAT S GmbH INTERN Penzberg WN OF WN MI SR Date of mailing	ON OF THE INTERNATIONAL TION NUMBER AND OF THE IATIONAL FILING DATE (PCT Rule 20.5(c))
Applicant's or agent's file reference		(day month year) IMPOR	2 2. 04. 2005 FANT NOTIFICATION
International application No. PCT/EP2005/003348	International filing date 31/03/		Priority date (day/month/year) 01/04/2004
Applicant F.HOFFMANN-LA ROCHE A	G et al.		
Title of the invention			
1. The applicant is hereby notified that the international filing date indicated at the applicant is further notified that the Bureau on the above date of mailing. 3. Other:	above.		
* The International Bureau monitors the (with Form PCT/IB/301) of its receipt the priority date, the International Bur	. Should the record copy r	not have been received	
Name and mailing address of the Receivin European Patent Office, P.B. NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016		Authorized officer	O. Jurand

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT/EP 2005 / 0 0 3 3 4 8

3 1 MAR 2005

3 1 03. 2005

International Filing Date

EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference (if desired) (12 characters maximum) 22393 WO-WJ

		1				
Box No. I	TITLE OF INVENTION		.			
Pharmac	eutical compositions of p	yrımıdıne-2,4,6	5-triones			
Box No. II	APPLICANT	This person	is also inventor			
The address mi	dress: (Family name followed by given ust include postal code and name of cour cant's State (that is, country) of residenc	ntry. The country of th	e address indicatea	l in this	Telephone No. +41 61 688	3 11 11
	ann-La Roche AG	- ,		,	Facsimile No.	
1	herstrasse 124				+41 61 688	3 13 95
CH-4070) Basel				Teleprinter No.	
CH					Applicant's regis	stration No. with the Office
State (that is,	country) of nationality:		State (that is, c	ountry)	of residence:	
This person i		all designated the United St	l States except ates of America		the United States of America only	the States indicated in the Supplemental Box
Box No. III	FURTHER APPLICANT(S)	AND/OR (FURTH	IER) INVENTO	R(S)		
The address mi Box is the appli Universi	dress: (Family name followed by given ust include postal code and name of cou cant's State (that is, country) of residence ité de Liège n Beneden, 25 Liège	ntry. The country of th	ie address indicated	l in this	invento marked,	nt only nt and inventor r only (If this check-box is do not fill in below.) stration No. with the Office
State (that is,	country) of nationality:		State (that is, c	ountry)	of residence:	
This person if		all designated the United St	d States except ates of America		the United States of America only	the States indicated in the Supplemental Box
X Furthe	er applicants and/or (further) inven	tors are indicated o	n a continuation	sheet.		
Box No. IV	AGENT OR COMMON REI	PRESENTATIVE	OR ADDRESS	s FOR	CORRESPOND	ENCE
	dentified below is hereby/has been ant(s) before the competent Intern			X	agent	common representative
Name and ac	ldress: (Family name followed by giver The address must include poste	name; for a legal enti al code and name of c	ty, full official desig ountry.)	nation.	Telephone No. (08856) 60	3405
	INER, Siegfried				Facsimile No.	
3	Diagnostics GmbH				(08856) 60	3451
Patent L	Department (TR-E)		•		Teleprinter No.	
	2 Penzberg				Agent's registrat	ion No. with the Office
DE	-					
Addre	ess for correspondence: Mark this above is used instead to indicate a	s check-box where special address to	no agent or community	non rep dence si	presentative is/has hould be sent.	been appointed and the

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Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not	be included in the req	quest.			
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence BARTSCH, Pierre Av. E. Digneffe, 60 B-4000 Liège BE	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
BE	BE				
This person is applicant all designated for the purposes of: all designated the United States	States except tes of America	the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence CATALDO, Didier Rue Vaux, 363 B-4870 Trooz BE	address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: BE	State (that is, country, BE) of residence:			
This person is applicant all designated all designated for the purposes of:	States except tes of America	the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence ENDELE, Richard Richard-Wagner-Strasse 39b D-69259 Wilhelmsfeld DE	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country) DE	of residence:			
This person is applicant all designated all designated for the purposes of:		the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence EVRARD, Brigitte Grand Route, 94 B-4537 Verlaine BE	e address indicated in this e is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: BE	State (that is, country) BE	of residence:			
This person is applicant all designated for the purposes of: all designated the United States		the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated or	n another continuation :	sheet.			

Sheet	No		З	,	
311001	110.		•		

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.					
Name and address: (Family name followed by given name; for a legal entity the address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence of FOIDART, Jean-Michel sur la Heid, 3 B-4870 Trooz BE	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: BE	State (that is, country,) of residence:			
This person is applicant all designated for the purposes of:		the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence if no State of the Country of the KRELL, Hans-Willi Zugspitzstrasse 14a D-82377 Penzberg DE	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: AT	State (that is, country, DE) of residence:			
This person is applicant all designated for the purposes of:	States except ates of America	the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entitude address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence of the State of the Included Provided	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country,) of residence:			
This person is applicant all designated all designated for the purposes of:	i States except ates of America	the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of residence:			
	d States except lates of America	the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated of	on another continuation	sheet.			

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- I. If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the-inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor:
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuationin-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Brigitte EVRARD

Jean-Michel FOIDART

Hans-Willi KRELL

Gerd ZIMMERMANN

,	S	heet No		
Box No. V DESIGNAT	IONS			
The filing of this request con filing date, for the grant of e	stitutes under Rule 4.9(a), the	e designation of all Contr ble and, where applicable,	acting States bound by th for the grant of both reg	e PCT on the international ional and national patents.
However,				
	esignated for any kind of nation			
	is not designated for any kir			
	n is not designated for any ki			
the national law, of an earlie	be used to exclude (irrevocabler national application from w s in these and certain other St	hich priority is claimed. S	ned in order to avoid the lee the Notes to Box No. V	ceasing of the effect, under V as to the consequences of
Box No. VI PRIORITY	CLAIM			
The priority of the following	g earlier application(s) is hereb	oy claimed:		
Filing date	Number oppliestion	V	Where earlier application	is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 01 April 2004 (01.04.04)	04007921.2		EP	
item (2)				
item (3)				
Further priority claims	are indicated in the Supplement	ental Box.		
The receiving Office is requested the earlier application was fabove as:	tested to prepare and transmit to filed with the Office which for the	to the International Bureau the purposes of this interna	a certified copy of the eattional application is the	rrlier application(s) (only if receiving Office) identified
	tem (1) item (2	2) item (3) other, s	ee Supplemental Box
* Where the earlier applicate Industrial Property or one M	tion is an ARIPO application, i Member of the World Trade O	indicate at least one country Organization for which that	y party to the Paris Conv earlier application was fi	ention for the Protection of led (Rule 4.10(b)(ii)):
	TIONAL SEARCHING AU			
Choice of International Se international search, indicate	earching Authority (ISA) (if te the Authority chosen; the two	two or more International . o-letter code may be used):	Searching Authorities are	competent to carry out the
1 20227				
Request to use results of e	earlier search; reference to the hority):	that search (if an earlier s	earch has been carried o	ut by or requested from the
Date (day/month/year)	Num		ntry (or regional Office)	
02.11.04	0400)7921.2 E	<u></u>	
Box No. VIII DECLARA				
The following declaration check-boxes below and indi	s are contained in Boxes Nos cate in the right column the nu	. VIII (i) to (v) (mark the a mber of each type of declar	applicable ration):	Number of declarations
Box No. VIII (i)	Declaration as to the ident	ity of the inventor		:
Box No. VIII (ii)	Declaration as to the appl date, to apply for and be a	icant's entitlement, as at th granted a patent	ne international filing	:
Box No. VIII (iii)	Declaration as to the app date, to claim the priority	licant's entitlement, as at a of the earlier application	the international filing	:
Box No. VIII (iv)	Declaration of inventorsh United States of America	nip (only for the purposes o	of the designation of the	: 1
Box No. VIII (v)	Declaration as to non-pre	judicial disclosures or exc	eptions to lack of novelty	· :

Sheet No. 6...

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America) The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules for the purposes of the designation of	the United States of America:
I hereby declare that I believe I am the original, first and sole (if only c is listed below) inventor of the subject matter which is claimed and fo	one inventor is listed below) or joint (if more than one inventor or which a patent is sought.
This declaration is directed to the international application of which it	
This declaration is directed to international application No. PCT/ to Rule 26ter).	(if furnishing declaration pursuant
I hereby declare that my residence, mailing address, and citizenship a	
I hereby state that I have reviewed and understand the contents of the a of said application. I have identified in the request of said application, is and I have identified below, under the heading "Prior Applications," to Organization, day, month and year of filing, any application for a patent States of America, including any PCT international application designated having a filing date before that of the application on which foreign prior of the same of t	n compliance with PCT Rule 4.10, any claim to foreign priority, by application number, country or Member of the World Trade tor inventor's certificate filed in a country other than the United ting at least one country other than the United States of America, iority is claimed.
Prior Applications: .European.Application.No04.007.921.2.0	of. 0.1. April. 2004
I hereby acknowledge the duty to disclose information that is k: 37 C.F.R. § 1.56, including for continuation-in-part applications, mater of the prior application and the PCT international filing date of the co	rial information which became available between the filing date
I hereby declare that all statements made herein of my own knowledge are believed to be true; and further that these statements were made verage are punishable by fine or imprisonment, or both, under Section false statements may jeopardize the validity of the application or any	vith the knowledge that willful false statements and the like so 1001 of Title 18 of the United States Code and that such willful
Name: BARTSCH, Pierre	.,,
Residence: Av. E. Digneffe, 60, B-4000 Liège, BE (city and either US state, if applicable, or country)	
Mailing Address: . same as above	
Citizenship:	
Inventor's Signature:	Date:
CATALDO, Didier	
Residence:	
Mailing Address: same as above	
Citizenship: BE	
Inventor's Signature:	Date:
This declaration is continued on the following sheet, "Continuation of the following sheet, "Continuation of the following sheet,"	on of Box No. VIII (iv)".

			-	•	
Sheet	No.		!	٠.	

Continuation of Box No. VIII (i) to (v)	DECLARATION
ICAL annual in insufficient in any of Boxes Nos	VIII (i) to (v) to furni

If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII ..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet

should not be included in	the request.	
Continuation of B	ox No. VIII (iv)	
Name: Residence: Mailing address:	ENDELE, Richard Richard-Wagner-Strasse 39b, D-69259 Wil same as above	helmsfeld, DE
Citizenship:	DE	
Inventor's signatu	ure:	Date:
Name: Residence: Mailing address:	EVRARD, Brigitte Grand Route 94, B-4537 Verlaine, BE same as above	
Citizenship:	BE	
Inventor's signat	ure:	Date:
Residence:	FOIDART, Jean-Michel sur la Heid 3, B-4870 Trooz, BE same as above	
Citizenship:	BE	
Inventor's signat	ure:	Date:
Name: Residence: Mailing address:	KRELL, Hans-Willi Zugspitzstrasse 14a, D-82377 Penzberg, I same as above	DE
Citizenship:	AT	
Inventor's signat	ure:	Date:
Name: Residence: Mailing address	ZIMMERMANN, Gerd Rheinstrasse 9A, D-76351 Linkenheim, DE same as above	=
Citizenship:	DE	
Inventor's signa	ture:	Date:

Sheet No. ...8

Box No. IX CHECK LIST; LANGUAGE C	F FILING	
This international application contains:	This international application is accompanied by the following	Number
(a) in paper form, the following number of	item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	of items
sheets:	1. The fee calculation sheet	: 1
request (including declaration sheets) : 8	2. Original separate power of attorney	:
description (excluding	3. original general power of attorney	:
sequence listing and/or	4 N copy of general power of attorney; reference number,	
tables related thereto) : 39	if any: .22.363	: 1
claims 3	5. Statement explaining lack of signature	:
abstract : 1	6. priority document(s) identified in Box No. VI as	
drawings :11_	item(s):	:
Sub-total number of sheets: 62 sequence listing 0	7. translation of international application into (language):	:
tables related thereto : 0 (for both, actual number of	8. separate indications concerning deposited microorganism or other biological material	:
sheets if filed in paper form, whether or not also filed in	 sequence listing in computer readable form (indicate type and number of carriers) 	}
computer readable form; see (c) below)	(i) copy submitted for the purposes of international search under. Rule 13ter only (and not as part of the international application)	:
Total number of sheets : 62	(ii) (only where check-box (b) (i) or (c) (i) is marked in left column) additional copies including, where applicable, the copy for the	
(b) only in computer readable form (Section 801(a)(i))	purposes of international search under Rule 13ter (iii) together with relevant statement as to the identity of the copy or	;
(i) ☐ sequence listing (ii) ☐ tables related thereto	copies with the sequence listing mentioned in left column	:
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listing (indicate type and number of carriers)	
(i) sequence listing	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international	
(ii) tables related thereto	application)	;
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:
sequence listing:	(iii) together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	
tables related thereto:	D. Colden de comanda	. 1
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. X other (specify): Receipt for occurrents	. ']
	Language of filing of the English	
Figure of the drawings which should accompany the abstract:	international application:	
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person signature.	T, AGENT OF COMMON REPRESENTATIVE guing and the capacity in which the person signs (if such capacity is not obvious from reading to	he request).
for Université de Liège	for F. Hoffmann-La Roche AG	
in the investment of the contract of the contr		
P. W	C Coherings	
Dr. N. Antheunis (GA-No. 42122)	Dr. S. Schreiner (GA-No. 22.363) S. Schreiner	
	For receiving Office use only	
1. Date of actual receipt of the purpor ed international application:	03. 2005 3 1 MAR 2005 2. Drawi	Ĭ
3. Corrected date of actual receipt due to later		ived:
timely received papers or drawings completed the purported international application:	ing	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	not i	received:
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:		
by the international buteau.		